XRAY
TEST MANAGEMENT TOOL

XRAY

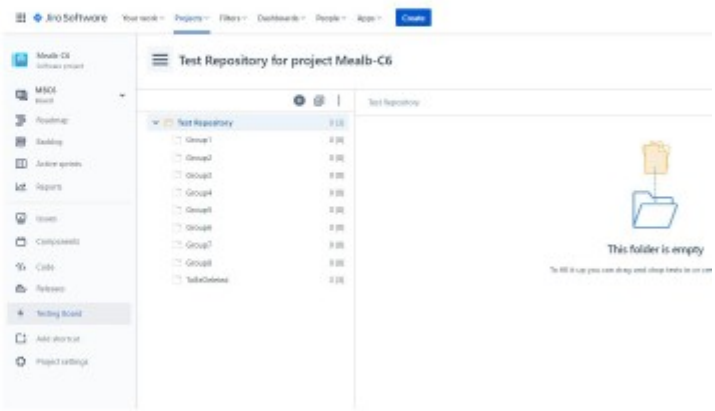
- Testing Suite Add on to Jira
- test management tool
- Test Cases are called "Tests" in Xray

Other test management tools

- Micro Focus ALM
- Test Rail
- Zephyr
- qTest
- QA Complete

Test Repository

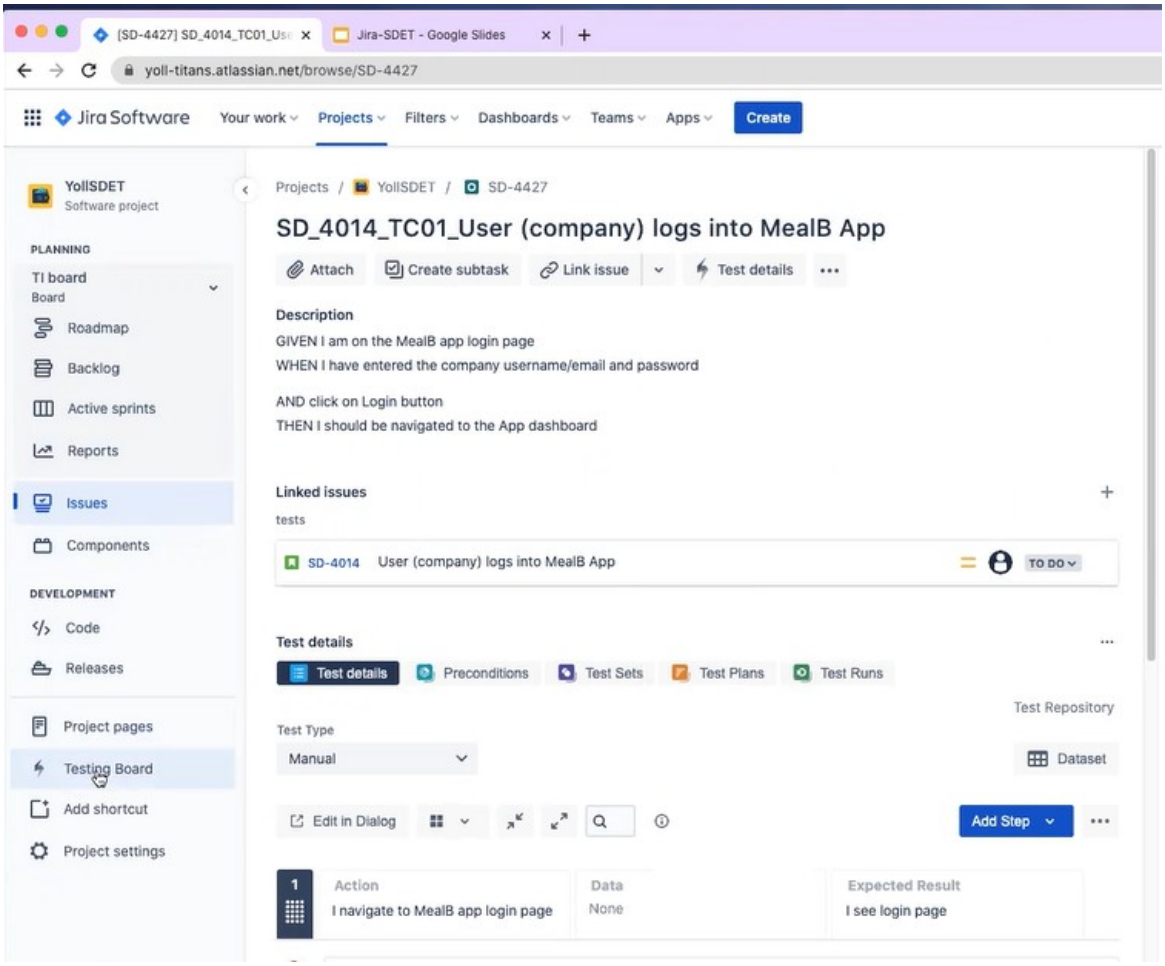
- enables the hierarchical organization of Tests
- allows you to organize Tests in folders and sub-folders
- each project will have its own Test Repository
- Tests belong to one folder within the Test Repository.



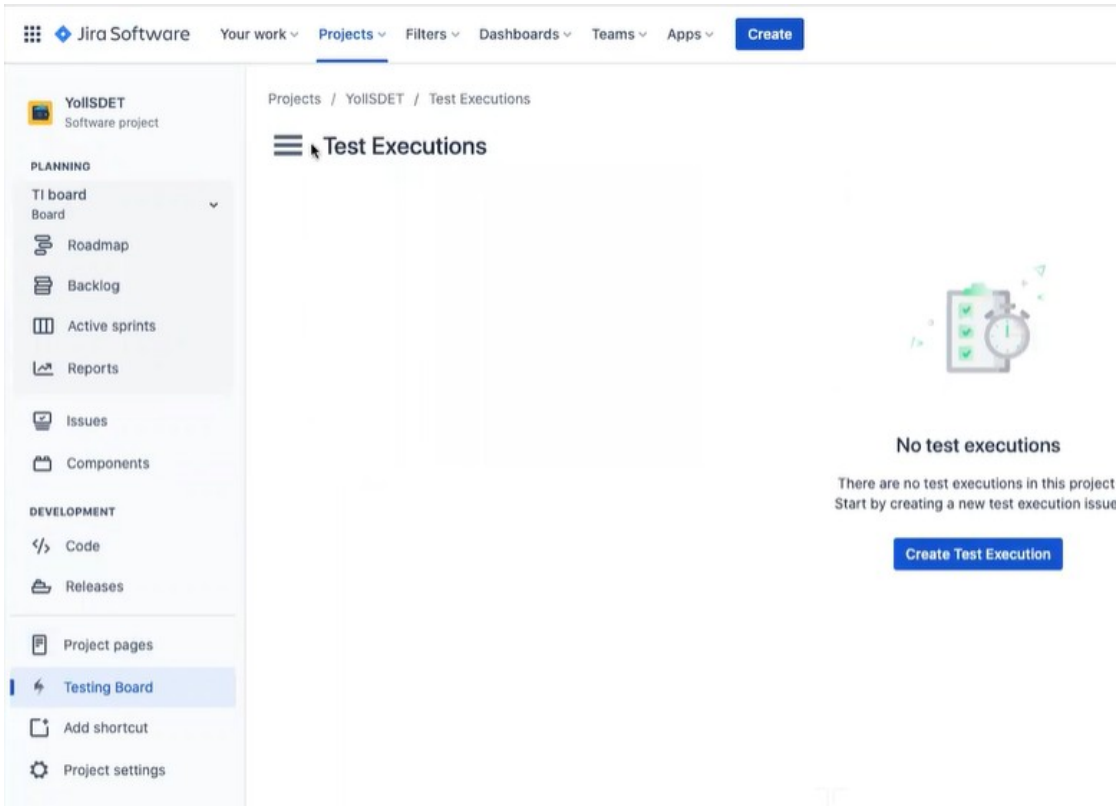
In Xray's Test Repository (Jira), you store and organize various types of test-related items to ensure comprehensive test coverage and easy access.

How to Test Repository ?

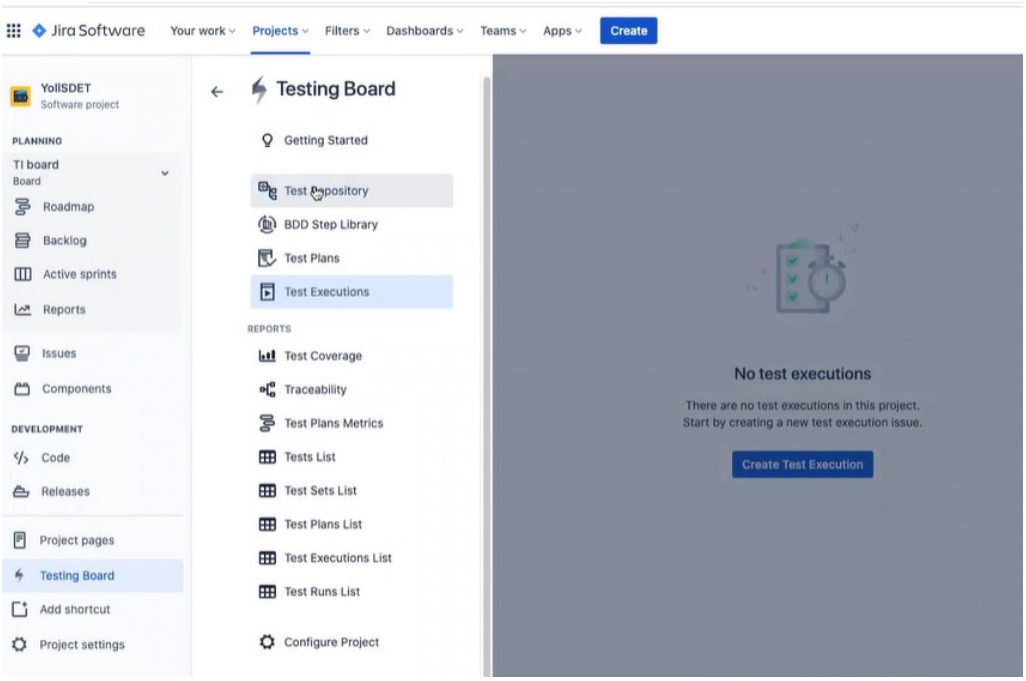
Go to Testing Board.



Click on :



Click on Test Repository

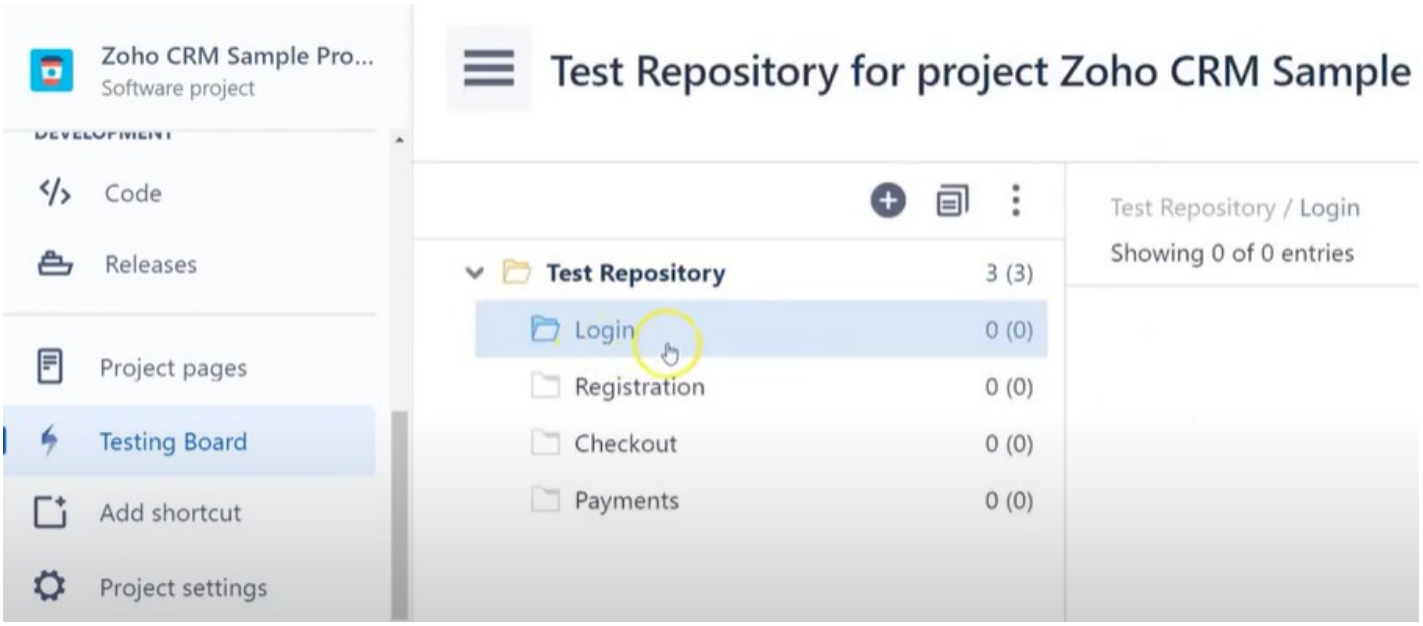


To Create a folder under Test Repository click on + Sign:

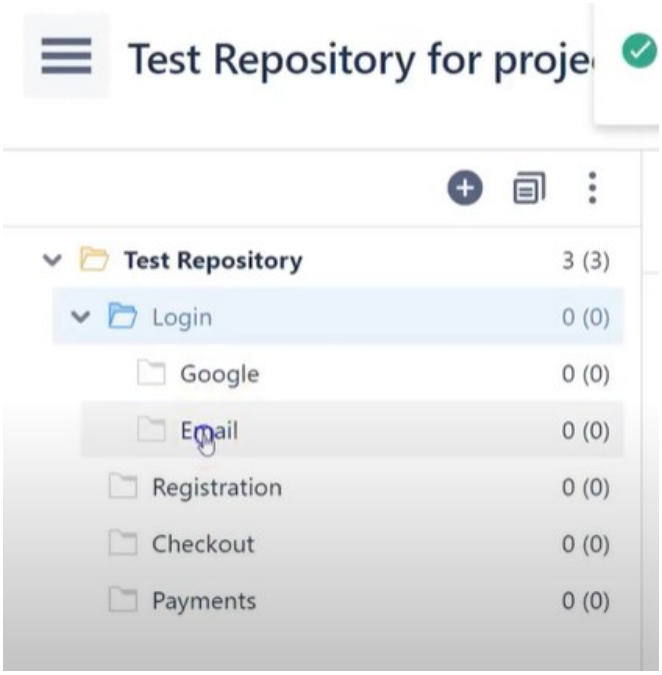
Create folders, name it : Login, Registration, Checkout, Payments

The test prep repository is for organizing your test cases in the folder structure, whenever you are doing a project you will have a epic which is kind of a high level functionality, within the Epic you have multiple stories, you organize your test cases in test repository based on specific feature.

login is the feature name, and all the test cases that belong to login functionality can be added here in the login folder, and similarly we'll say registration then say checkout and payments.



It can have a subfolder:

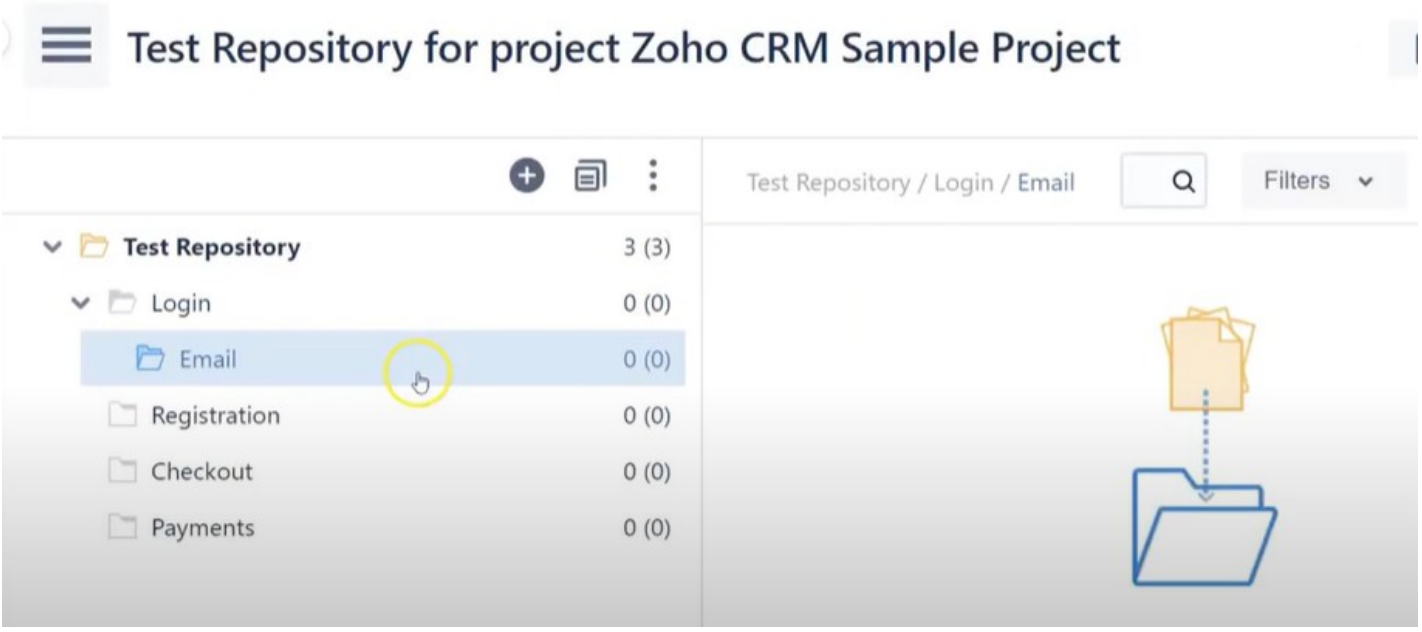


you have to make sure when you're creating a test repository : if a test case has been added into the Google folder, you can't add the same test case into the email folder, that's the difference between the test set and the repository and there are many other differences.

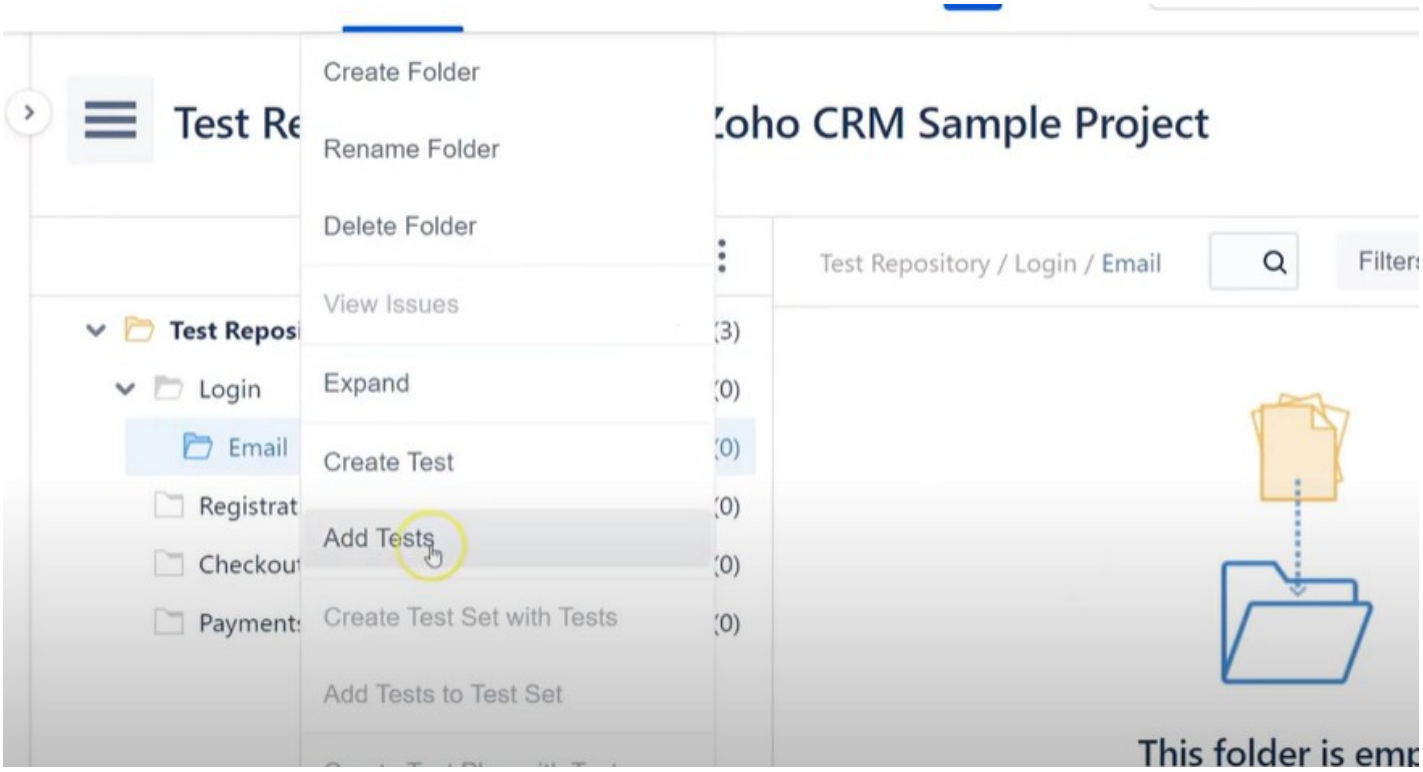
How to add test cases ?

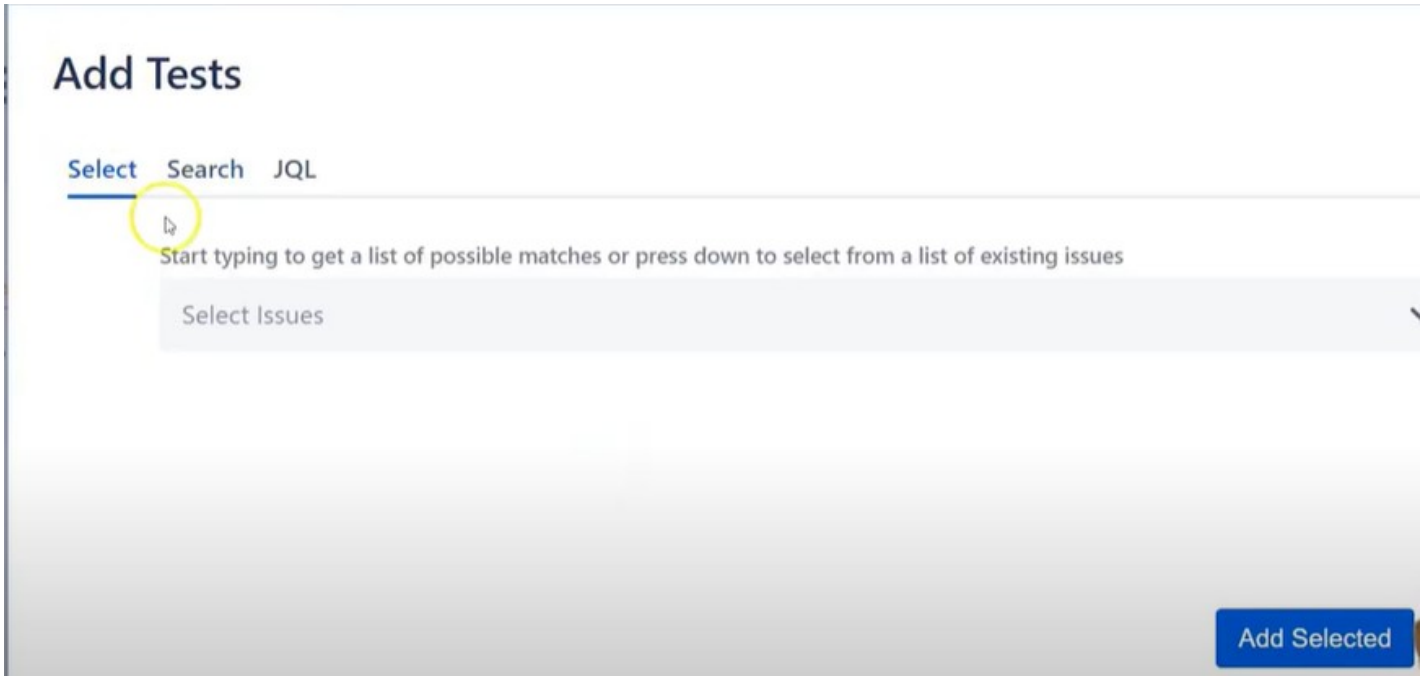
You can drag and drop, or

Click on the three buttons

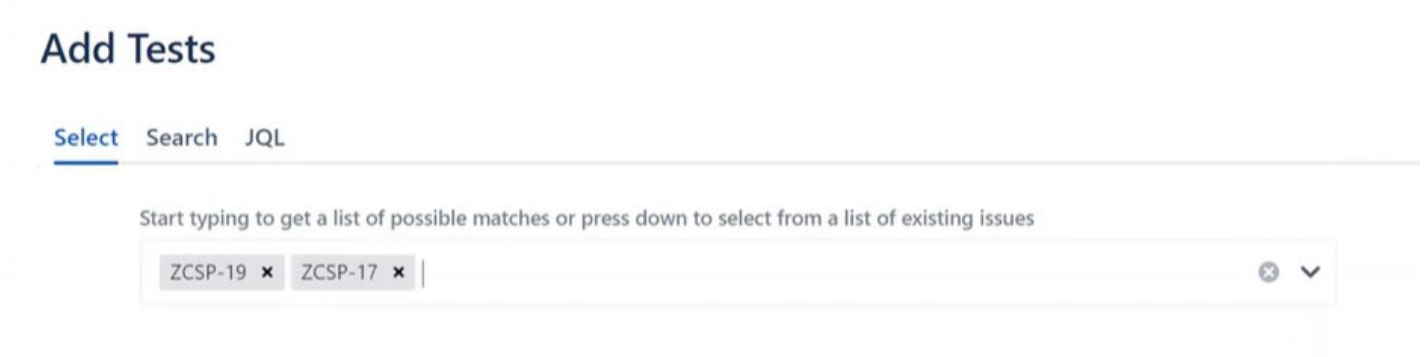


click on add Tests

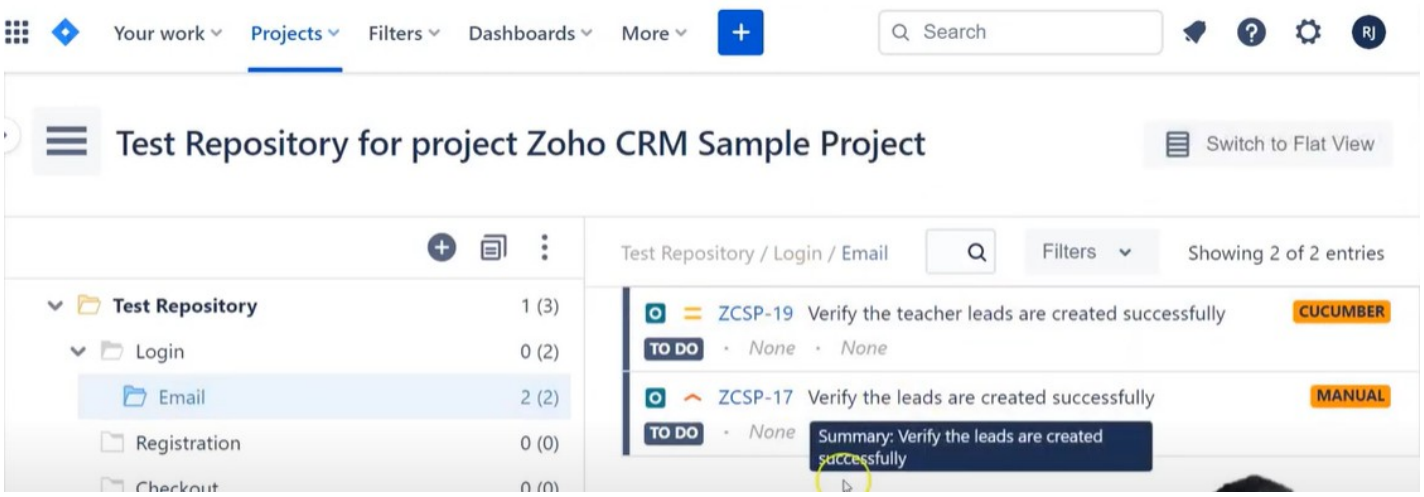



Add Tests
Select
Search
JQL
Start typing to get a list of possible matches or press down to select from a list of existing issues
Select Issues
Add Selected

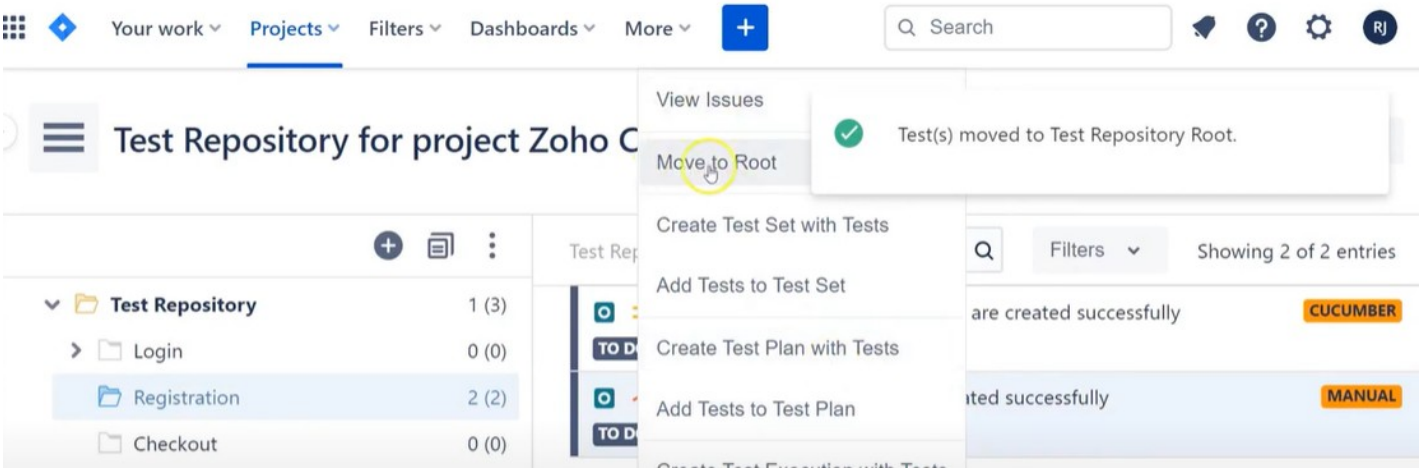
Select the test cases



The test cases are added to Email folder



In order to remove the Test Cases, simply drag and drop in the Test Repository folder, or Click on : Move to the root



What to Put in the Test Repository?

1. **Test Cases – Manual and Automated.**
2. **Test Scenarios – End-to-End workflows.**
3. **Test Types – Functional, Regression, Smoke, API, etc.**
4. **Linked Issues – User Stories, Epics, Bugs.**
5. **Reusable Modules – Common steps for efficiency.**

What is Test Set?

- collection of Tests
- contains detailed instructions or goals
- Test Cases can be part of different Test sets like:
  - Regression Test Set
  - Smoke Test Set
- grouped in some logical way

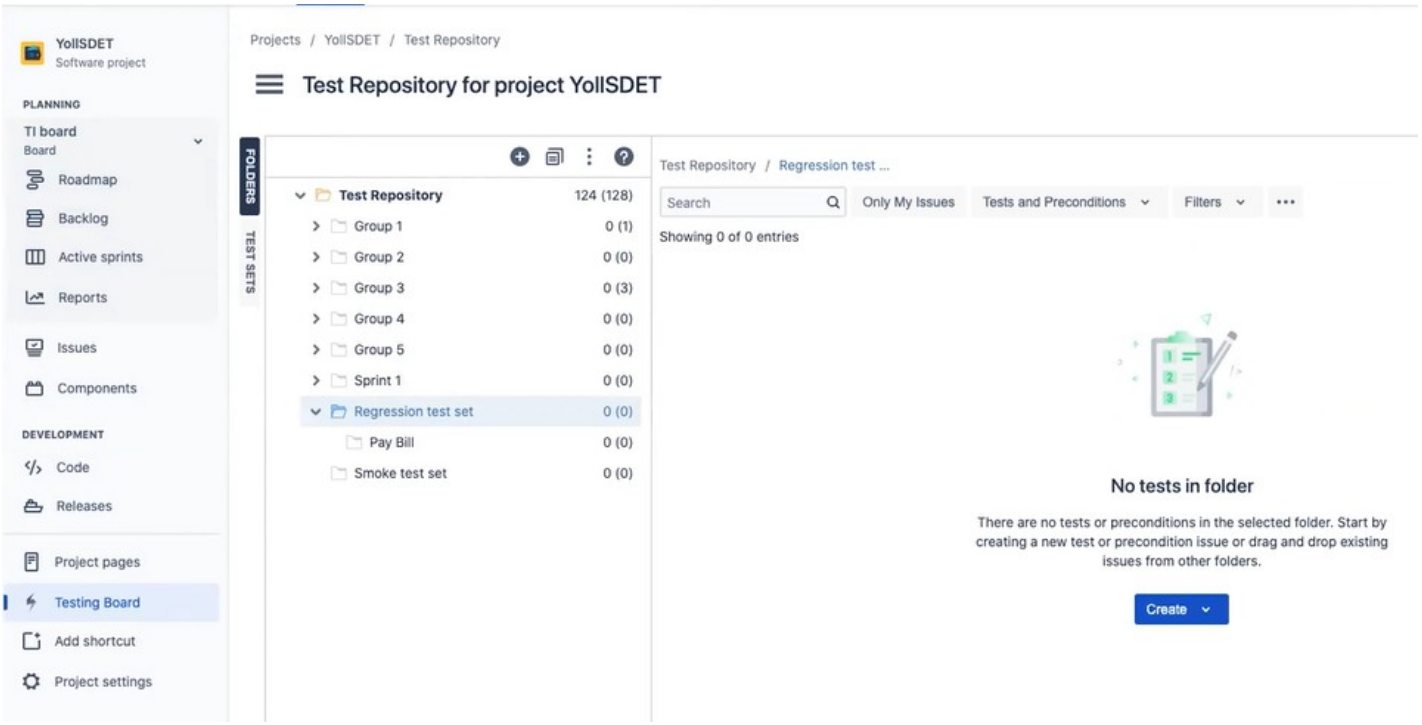
Test sets in Jira Xray are a unique issue type that helps in logical structuring of test cases for better management and execution.

Group test cases based on sprints, types of testing, or releases.

Test cases are orgnized based on the Sprint, how many test cases have been written in particular Sprint .

you can create a test set for that if you want to organize your test case based on the different types of testing, for example: Regression test cases. If there is a future need that is coming for your software development team, then you can simply add those test cases which you have added into the regression test set and execute those Test cases.

Each Sprint, we create a Test Set that contain many test cases



How to create a test set ?

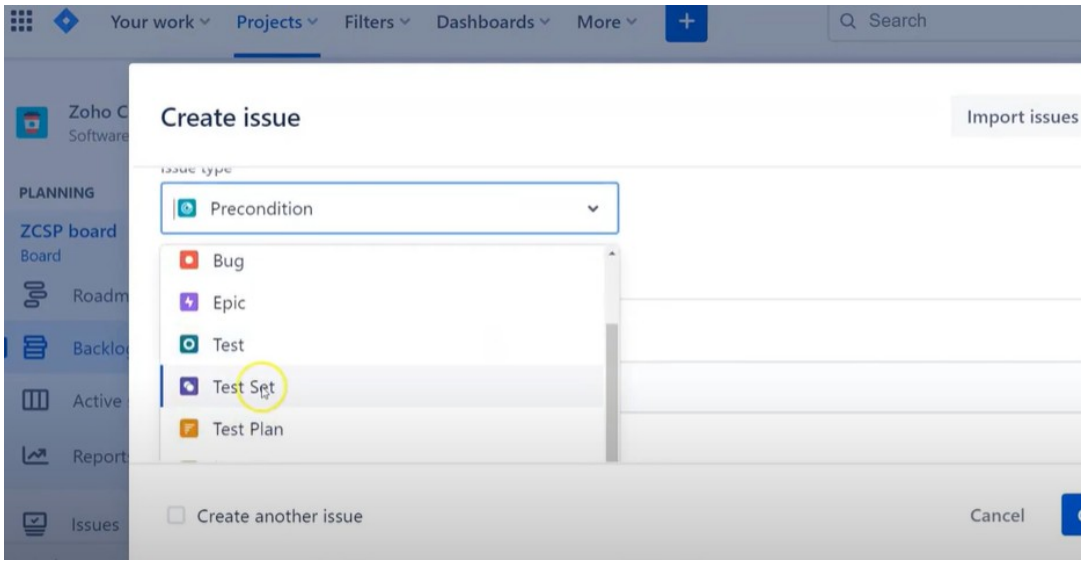
Click on Create button + sign / Issue type : Test Set

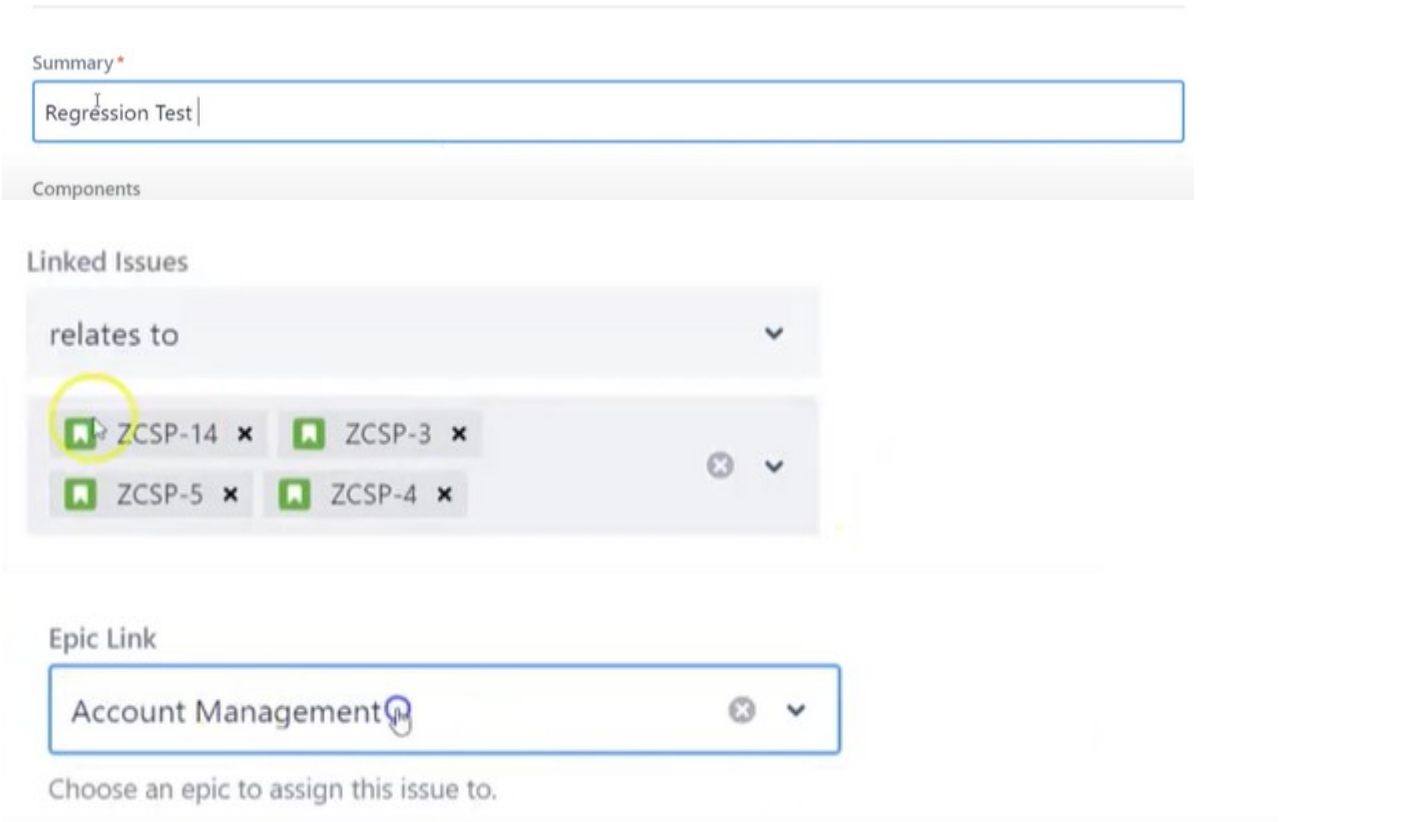
Provide the summary (Ex: Regression Test Set)

Select the user stories related to this (ex :regression).

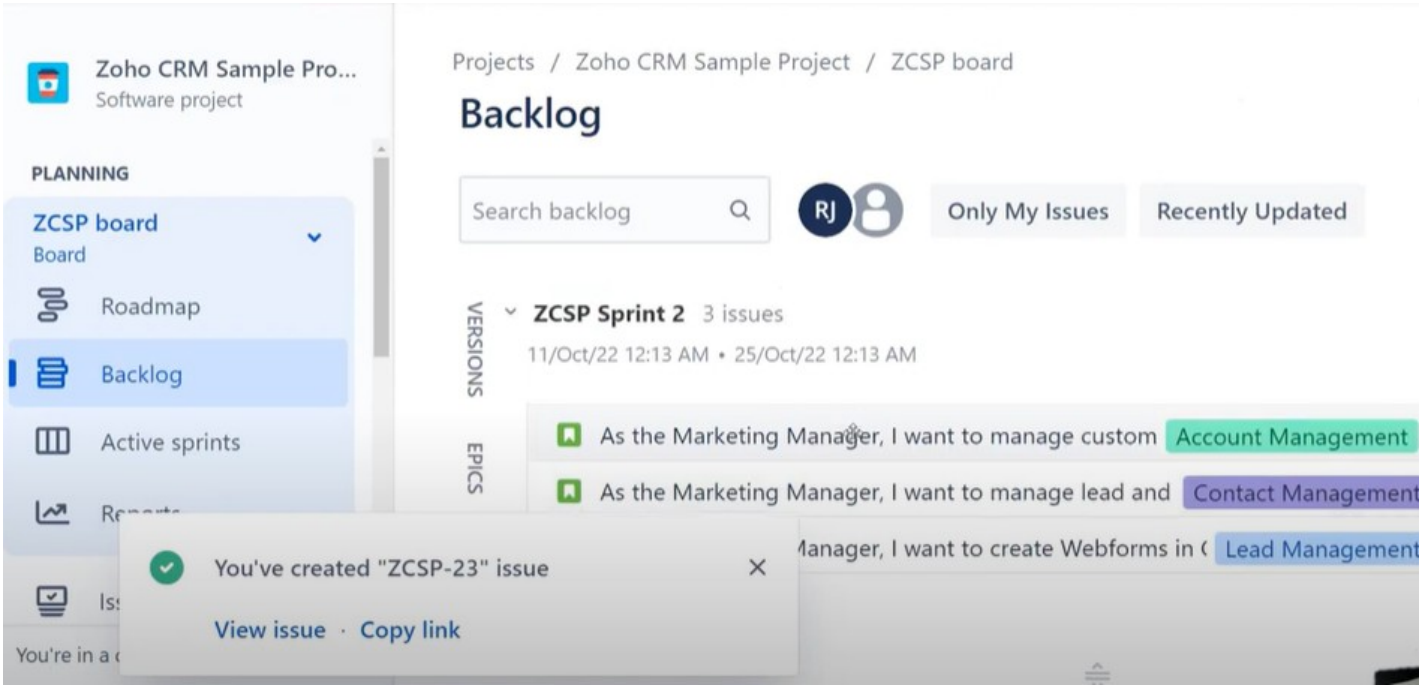
Assign to me

Select the Epic (Only one epic allowed)

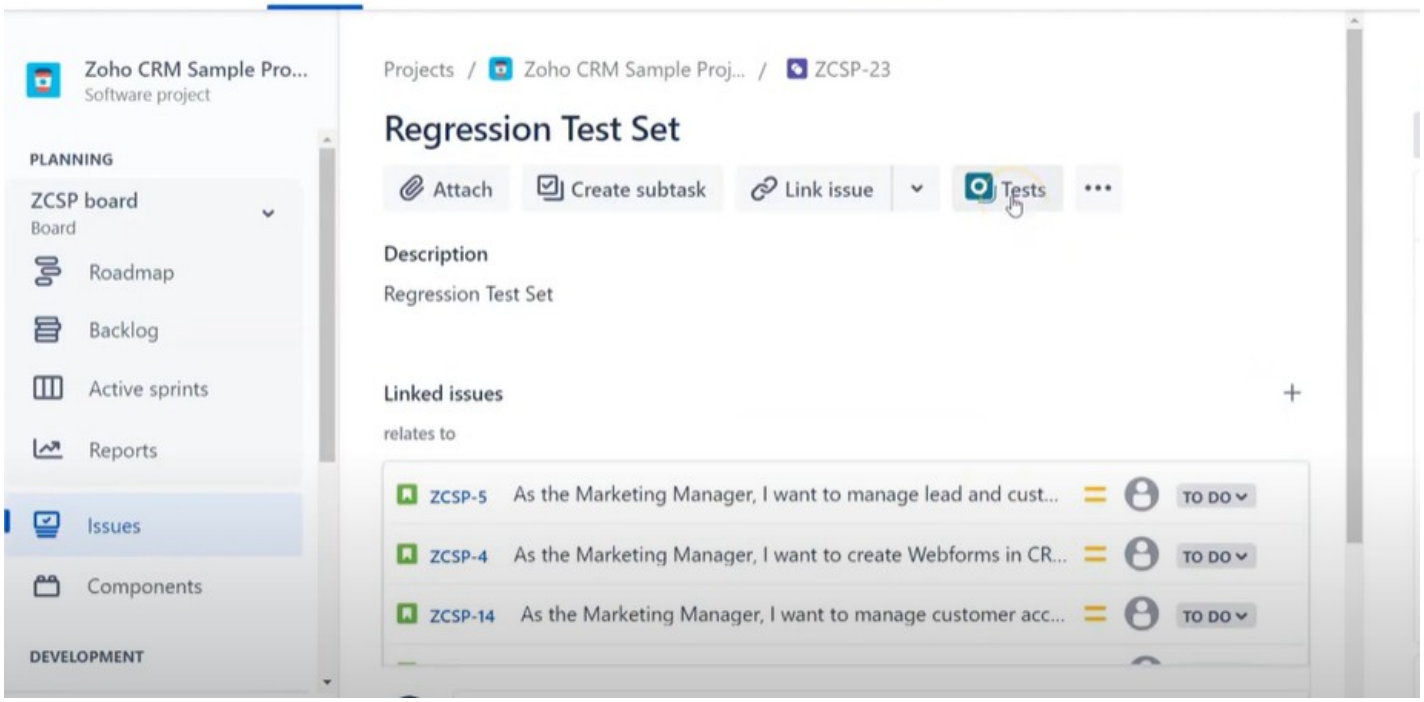




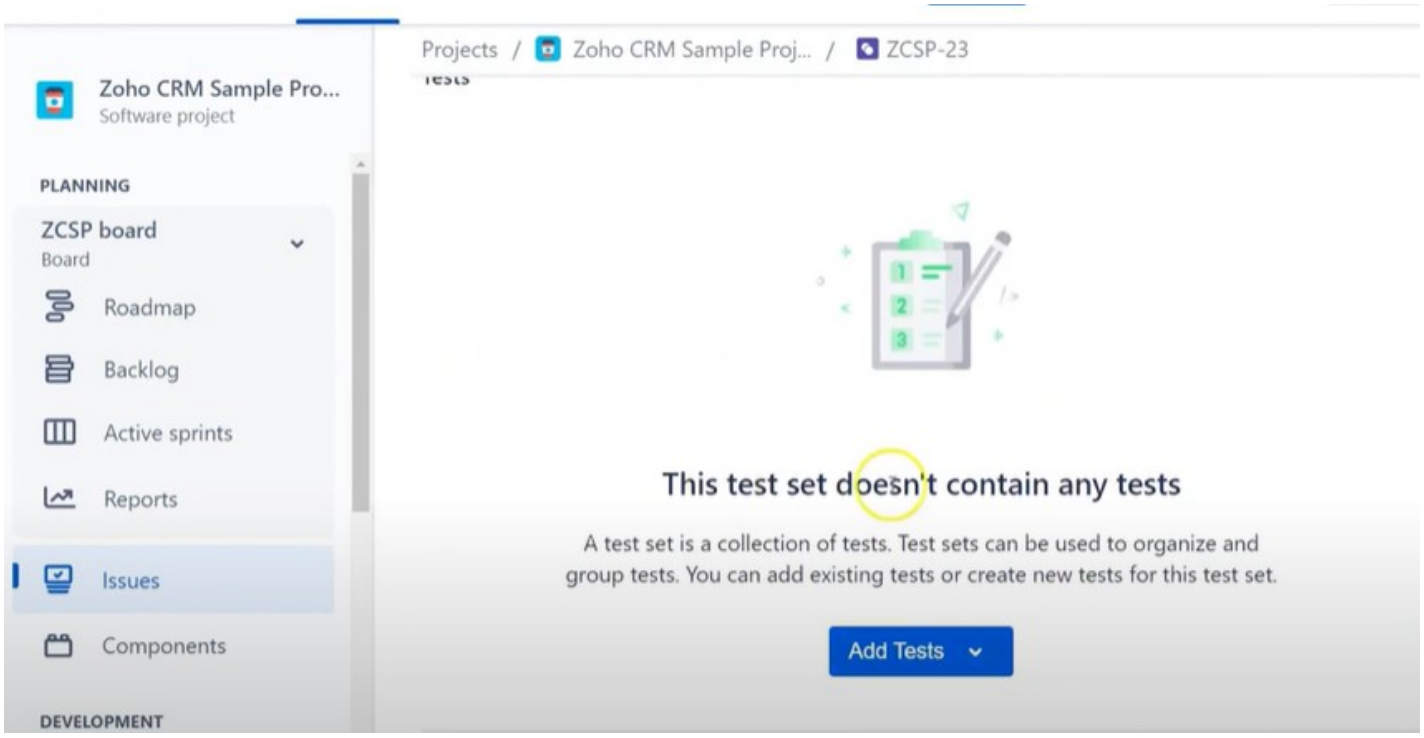
Click on view issue:



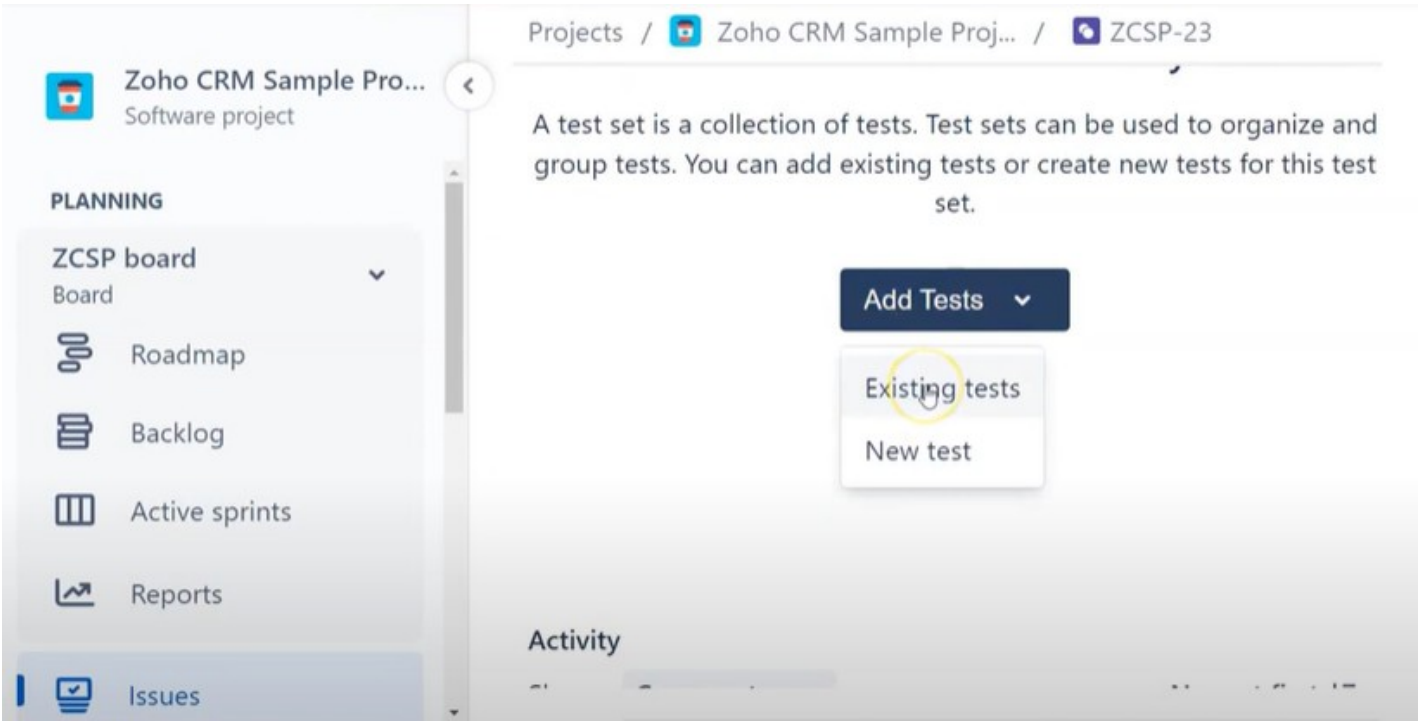
We can see now that the Test Set is releated to the different user stories



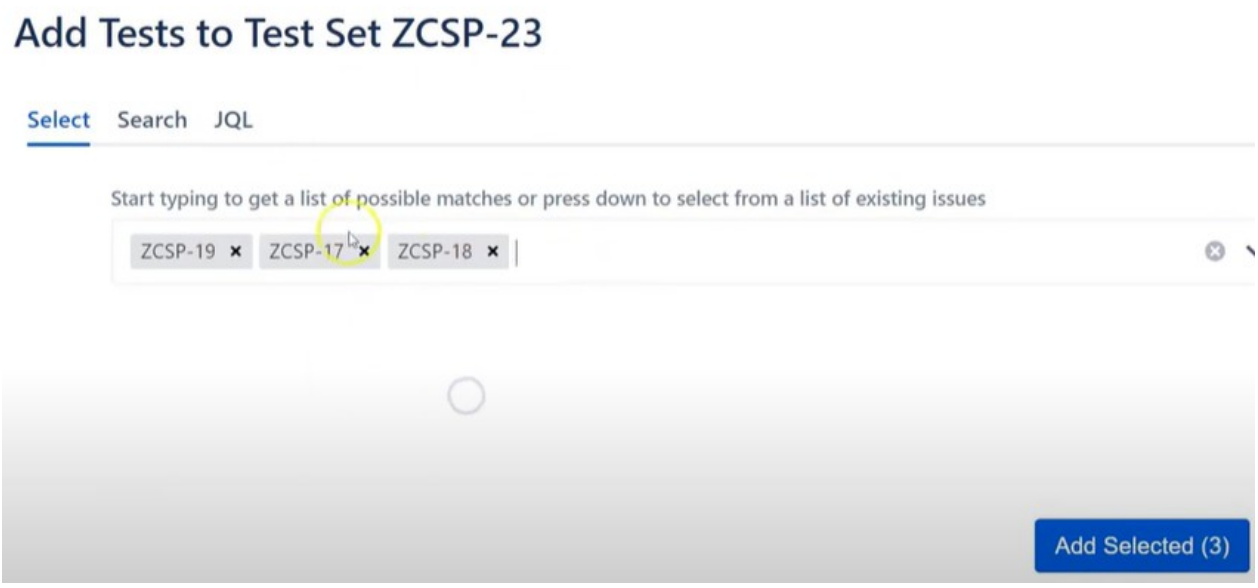
Click on the green button:


Zoho CRM Sample Pro...
Software project
PLANNING
ZCSP board
Board
Roadmap
Backlog
Active sprints
Reports
Issues
Components
DEVELOPMENT
Projects / Zoho CRM Sample Proj... / ZCSP-23
This test set doesn't contain any tests
A test set is a collection of tests. Test sets can be used to organize and group tests. You can add existing tests or create new tests for this test set.
Add Tests

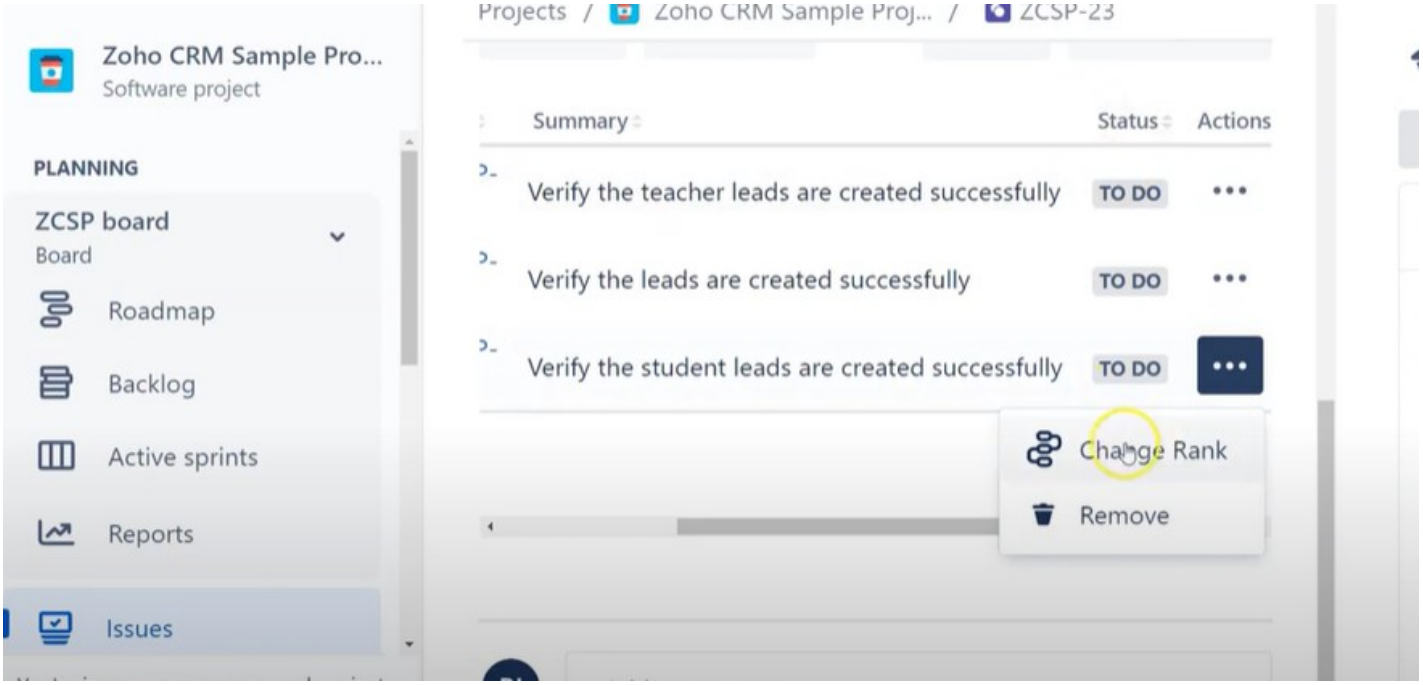
Click on Add Tests



Add the Test Case



If you want to change the ranking of the test cases of remove them :



Test vs Test Set

- Tests are for requirements
- Test Sets are for Organizing Test Repository
- You add Tests into the Test Set for organizing your future testing activities
- Tests needs to be link to the Testing User Story for testing coverage purposes
- If tests are added to the Test Set, then you just need to link that test set.

Linking vs Adding

- you create linkage between the two different issue types
- Example:
  - Test Case gets linked to the US (means they are related)
  - Test Set (with multiple Tests in it) gets linked to the US

- you are adding items into the Bucket
- Example:
  - "Tests" gets added into "Test Set" bucket
  - "Test Set" into "Test Execution" to execute them